

- 3 (a) said first catalytic component comprises one or more  
4 electrocatalyst(s) of formula Pt-Y, wherein Y is Mo, W or an  
5 oxide of Mo or W; and
- 6 (b) said second catalytic component comprises one or more  
7 electrocatalyst(s) of formula Pt-M, where M is a metal alloyed  
8 with the platinum and is one or more metals selected from the  
9 group <sup>consists of</sup> Ru, Rh, Ti, Cr, Mn, Fe, Co, Ni, Cu, Ga, Zr, Hf and Sn;  
10 and

11 wherein the first and second catalytic components are in ionic contact with  
12 each other.

1 2. (Amended) An electrode structure according to claim 12  
2 wherein X is selected from Ru, Mn, Co, Ni, and Rh.

1 3. (Amended) An electrode structure according to claim 1,  
2 wherein M is selected from Ru or Rh.

1 5. (Amended) An electrode comprising an electrode structure  
2 according to claim 1 wherein the electrocatalyst materials are present on one  
3 side of a gas diffusion material.

1 6. (Amended) A catalysed membrane comprising an electrode  
2 structure according to claim 1 wherein the electrocatalyst materials are  
3 present on one side of a polymer electrolyte membrane material.

1 7. (Amended) An MEA comprising an electrode structure  
2 according to claim 1.

1 8. (Amended) An electrode according to claim 5, wherein the two  
2 catalyst materials are formulated into two separate layers.

1 9. (Amended) An electrode according to claim 5, wherein the two  
2 catalyst materials are formulated into one mixed layer.

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(cont.)

1           10     (Amended) A fuel cell comprising an electrode structure,  
2 comprising a first catalytic component and a second catalytic component,  
3 characterised in that the first catalytic component comprises one or more  
4 electrocatalyst(s) of formula Pt-Y where Y is Mo, W, or an oxide of Mo or  
5 W, and the second catalytic component comprises one or more  
6 electrocatalyst(s) of formula Pt-M, where M is a metal alloyed with the  
7 platinum and is one or more metals selected from the group <sup>consist of</sup> Ru, Rh, Ti, Cr,  
8 Mn, Fe, Co, Ni, Cu, Ga, Zr, Hf and Sn, and wherein the first and second  
9 catalytic components are in ionic contact with each other.

1           11.    (Amended) Use of an electrode structure according to claim 1  
2 in a fuel cell.

Please add the following new claims:

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1           12.    (Newly Added) An electrode structure according to claim 1  
2 wherein said first catalytic component comprises a third metal component X  
3 which is alloyed with the platinum and which is one or more metals selected  
4 from the group Ru, Rh, Ti, Cr, Mn, Fe, Co, Ni, Cu, Ga, Zr, Hf and Sn.

1           13.    (Newly Added) A catalysed membrane according to claim 6  
2 wherein the two catalyst materials are formulated into two separate layers.

1           14.    (Newly Added) A catalysed membrane according to claim 6  
2 wherein the two catalyst materials are formulated into one mixed layer.

1           15.    (Newly Added) An MEA according to claim 7 wherein the two  
2 catalyst materials are formulated into two separate layers.

Please cancel claim 16.

1           17.    (Newly Added) An MEA according to claim 7 wherein the two  
2 catalyst materials are formulated into one mixed layer.

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1           18.    (Newly Added) A fuel cell according to claim 10 wherein said  
2 first catalytic component comprises a third metal component X which is